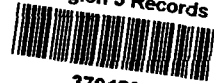


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379189

## M E M O R A N D U M

DATE: March 13, 1986  
TO: File  
FROM: Robert Hingtgen *BH*  
SUBJECT: Illinois/R58410-1A/IL0351  
East Dubuque/N-REN Corporation  
ILD 980612063

A site inspection of the above mentioned site was performed by Region V FIT members Steve Nelson and Robert Hingtgen on February 11, 1986.

The plant was built in 1965 by Northern Illinois Gas Company and N-REN has owned and operated the plant since 1975. Products of the plant include anhydrous ammonia, liquid carbon dioxide, and urea ammonium nitrate. All products are made by processing natural gas and water.

A disposal area was started in a ravine near the plant during construction of the plant. Scrap metal and concrete were disposed in this area. The landfill area was covered with soils resulting from excavation required for the plant area.

The facility obtains water from three wells located near the Mississippi River. Water is used for drinking and cooling. The water is treated with lime as lead is a naturally occurring element in this area. There are many lead mines near Galena, Illinois. The waste cooling water and lime sludge go to a pond where the sludge settles on the bottom. Waste water is then pumped to the Mississippi River via a pipeline. The facility has a NPDES permit for this and the discharge is monitored where it enters the pipeline.

The facility also has an air permit for NO<sub>x</sub> emissions resulting from various processes. The emissions are monitored every ten minutes.

The plant is not fenced, but a gate operated by a guard controls access to the facility which operates 24 hour/day.

Due to the fact that N-REN has never disposed of hazardous wastes on site and NPDES limits have not been exceeded, the HRS score would zero out at the waste characteristics stage, resulting in a site migration score of zero.

83C:4F